DOCUMENT RESUME

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TITLE SCOPE (Standardized Curriculum Oriented Pupil Evaluation) Mathematics. Test Book Grade Five.

INSTITUTION Northwest Territories Dept. of Education, Yellowknife. Programs and Evaluation Branch.

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NOTE 67p.; For related documents, see RC 013 920-927. Dr. I.R. Brooks is the developer of the test, originally known as the Achievement Test of Indian Children (ATC).

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DESCRIPTORS *Arithmetic; Criterion Referenced Tests; Decimal Fractions; *Elementary School Mathematics; *Fractions; *Grade 5; Intermediate Grades; Number Systems; Quantitative Tests; Test Items; Whole Numbers

IDENTIFIERS *Standardized Curriculum Oriented Pupil Evaluation

ABSTRACT

The SCOPE Mathematics Achievement Test booklet for grade 5 presents 11 mathematical concepts with instructions for students to take the test with little or no teacher direction. Testing items include: writing number words; reading and writing numerals in sequence from 0.001 to 100,000; adding and subtracting whole numbers; multiplying up to four digits by three digits; dividing with a remainder, up to a six-digit dividend by a two-digit divisor; dividing multiples of 100 by 100; rounding off decimals to wholes, 10ths, and 100ths; using the correct order of operation in a two-step problem; reading and translating Roman numerals to MCMLXXX; applying the distributive property to division; identifying numbers as prime or composite; performing prime factorization on numbers to 64; and using arithmetic mean. Other items include dividing money; reading and writing decimals to 1,000ths; expanding decimal numerals using expanded notation to two decimal places; adding, subtracting, and multiplying decimals; dividing decimals to 100ths by single digit whole numbers; understanding and using the terms proper fractions, mixed numerals, numerator, and denominator; using ordered pairs to construct graphs; adding and subtracting linear and mass units; distinguishing between right and non-right triangles; and identifying a motion as a slide, flip, or turn. (ERB)

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ED226940

Scope

Standardized Curriculum - Oriented Pupil Evaluation

MATHEMATICS

[1981]

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Test Book
Grade Five

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Northwest Territories Education

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1.3 Writes number words.

Look at this number. How would you write it in words? It is written "one hundred and twenty-five." Write "one hundred and twenty-five" beside P1 on page 21 of your answer book.

125 = one hundred and twenty five

Look at these numbers. Write them in words on page 21 of your answer book.

1

364 = _____

2

508 = _____

3

119 = _____

4

279 = _____

5

803 = _____

6

999 = _____

7

1 000 = _____

1.4 Gives the value of any digit in a 6 digit numeral and uses this to write in expanded form.

Look at this number. What does the 5 stand for? It stands for the number of ones. Write the word "ones" beside P2 on page 21 of your answer book.

In 25.3, the 5 stands for the number of ones.

Look at these questions.
Write answers for them on page 21 of your answer book.

8 In the number 5.862, the 8 stands for the number of _____.

9 In the number 79.153, the 1 stands for the number of _____.

10 In the number 23.705, the 5 stands for the number of _____.

11

In the number 80.491, the 9 stands for the number of _____.

12

In the number 609.58, the 6 stands for the number of _____.

13

In the number 741.391, the 3 stands for the number of _____.

14

In the number 6 394.031, the 6 stands for the number of _____.

1.5 Reads and writes numerals in sequence from 0.001 to 100 000

Look at these numbers. Which number is missing? 4 is missing. Write 4 beside P3 on page 21 of your answer book.

3,_____,5

3, 4 ,5

Look at these questions. Which numbers are missing from each question? Write your answers on page 21 of your answer book.

15 165,_____,167,_____,_____,170

16 179.0,_____,179.2,_____,179.4,_____,179.6

17 _____,499,_____,501,_____,503

18

701.00, 701.01,_____,_____701.04,_____

19

37 806,_____,37 808,_____,_____,37 811

20

2.870,_____,_____,2.873,_____,2.875

21

1996,_____,1998,_____,2000,_____

2.1 Adds and subtracts any whole numbers.

Look at this question. What is the answer? The answer is 534. Write the number 534 beside P4 on page 21 of your answer book.

$$\begin{array}{r} 101 \\ 211 \\ +\,222 \\ \hline 534 \end{array}$$

Answer these questions. Write your answers on page 21 of your answer book.

22

$$\begin{array}{r} 491 \\ +\,158 \\ \hline \end{array}$$

23

$$\begin{array}{r} 902 \\ 796 \\ +\,882 \\ \hline \end{array}$$

24

$$\begin{array}{r} 683 \\ 735 \\ +\,944 \\ \hline \end{array}$$

25

$$\begin{array}{r} 623 \\ -\,512 \\ \hline \end{array}$$

26

$$\begin{array}{r} 7780 \\ -\,319 \\ \hline \end{array}$$

27

$$\begin{array}{r} 8233 \\ -\,999 \\ \hline \end{array}$$

28

$$\begin{array}{r} 6958 \\ -\,5786 \\ \hline \end{array}$$

2.2 Multiplies up to 4 digits by 3 digits.

Look at this question. What is the answer? The answer is 34 125. Write 34 125 beside P1 on page 22 of your answer book.

$$\begin{array}{r} 325 \\ \times 105 \\ \hline 34\ 125 \end{array}$$

Answer these questions. Write your answers on page 22 of your answer book.

29

$$\begin{array}{r} 876 \\ \times 41 \\ \hline \end{array}$$

30

$$\begin{array}{r} 329 \\ \times 117 \\ \hline \end{array}$$

31

$$\begin{array}{r} 8806 \\ \times 31 \\ \hline \end{array}$$

32

$$\begin{array}{r} 3427 \\ \times\ \ 83 \\ \hline \end{array}$$

33

$$\begin{array}{r} 6450 \\ \times\ \ 25 \\ \hline \end{array}$$

34

$$\begin{array}{r} 903 \\ \times 508 \\ \hline \end{array}$$

35

$$\begin{array}{r} 1284 \\ \times\ 653 \\ \hline \end{array}$$

2.3a Divides, with remainder, up to a 6 digit dividend by a 2 digit divisor.

Look at this question. What is the answer? The answer is 378 remainder 3. Write the answer beside P2 on page 22 of your answer book.

$$5\overline{)1893} \quad 378\ r\ 3$$

Look at these questions. Write your answers on page 22 of your answer book.

36

$$6\overline{)2594}$$

37

$$4\overline{)23479}$$

38

$$12\overline{)8936}$$

39

$25\overline{)90876}$

40

$40\overline{)36780}$

41

$99\overline{)80205}$

42

$15\overline{)36079}$

2.3b Divides multiples of 100 by 100.

Look at this question. What is the answer? The answer is 2. Write the number "2" beside P3 on page 22 of your answer book.

$200 \div 100 = \underline{2}$

Answer these questions. Write your answers on page 22 of your answer book.

43 $100 \div 100 = _____$

44 $900 \div 100 = _____$

45 $1700 \div 100 = _____$

46

$3400 \div 100 = _____$

47

$8900 \div 100 = _____$

48

$6000 \div 100 = _____$

49

$99\,000 \div 100 = _____$

3.1 Rounds off decimals to wholes, tenths, and hundredths.

Look at this number. What is the answer if 6.863 is rounded to the nearest whole number? The answer is 7. Write the number 7 beside P4 on page 22 of your answer book.

6.863
Rounded off to the nearest whole number is 7.

Answer these questions. Write your answers on page 22 of your answer book.

50

12.364
Rounded off to the nearest whole number is _____.

51

0.865
Rounded off to the nearest tenth is _____.

52

2.153
Rounded off to the nearest tenth is _____.

53

18.904
Rounded off to the nearest tenth
is _____.

54

5.064
Rounded off to the nearest hundredth
is _____.

55

15.308
Rounded off to the nearest hundredth
is _____.

56

21.299
Rounded off to the nearest hundredth
is _____.

3.2 Uses correct order of operation in a 2 step problem

Look at this problem. Which equation shows the correct way to solve the problem? Equation c. It is underlined. Write the letter c beside P1 on page 23 of your answer book.

Sue buys 2 candy bars at $0.35 each, and 2 cans of pop at $0.50 each. How much does she spend? Which of the following answers shows how to solve this problem?

a) $4 \times \$0.85 = \text{cost}$
b) $2 \times \$0.85 = \text{cost}$
c) $(2 \times \$0.35) + (2 \times \$0.50) = \text{cost}$
d) $(2 + \$0.35) + (2 + \$0.50) = \text{cost}$

Look at these problems.
Which equation shows the correct way to solve each of these problems?
Write the letter for that equation on page 23 of your answer book.

57 John buys 3 bags of flour at $2.00 each and 4 apples at $0.25 each. How much does he spend? Which of the following answers shows how to solve this problem?

a) $(3 \times \$2.00) + (4 \times \$0.25) =$ cost of food.
b) $(\$2.00 + \$0.25) \times (3 + 4) =$ cost of food.
c) $(3 + 4) + (2.00 \times \$0.25) =$ cost of food.
d) $(3 + \$2.00) \times (4 + \$0.25) =$ cost of food.

58 In 6 hours Sam and Sue travel 546 kilometres. How far could they travel in 12 hours at this rate? Which of the following answers shows how to solve this problem?

a) $546 \div 12 =$ distance travelled
b) $(546 \div 12) \times 6 =$ distance travelled
c) $(546 \div 6) \times 12 =$ distance travelled
d) $546 \times 6 \times 12 =$ distance travelled

59 John has a dog team of 8 dogs. Each day, each dog eats 2 kg of food. How long would 112 kg of food last? Which of the following answers shows how to solve this probiem?

a) $112 \times (8 \times 2) =$ days which food would last.
b) $112 \div (8 \times 2) =$ days which food would last.
c) $(112 \times 2) \div 8 =$ days which food would last.
d) $(112 \times 8) \div 2 =$ days which food would last.

60 There are 5 teachers in the school. There are 27 children in Miss Smith's class, 31 in Miss Jones', 24 in Mr. Young's and 19 in Mrs. White's. If there are 130 students in the school, how many are in Mr. Brown's class? Which of the following answers shows how to solve this problem?

a) $(27 + 31 + 24 + 19) - 130 =$ children in Mr. Brown's class.
b) $(130 + 31) - (27 + 24 + 19) =$ children in Mr. Brown's class.
c) $(130 + 27) - (31 + 24 + 19) =$ children in Mr. Brown's class.
d) $130 - (27 + 31 + 24 + 19) =$ children in Mr. Brown's class.

61 John has 25 boxes. 8 books will fit into each box. John has 248 books. How many more boxes does he need? Which of the following answers shows how to solve this problem?

a) $(25 \times 8) + 248 =$ number of boxes needed.
b) $(248 \div 25) - 8 =$ number of boxes needed.
c) $(248 \div 8) - 25 =$ number of boxes needed.
d) $248 - (25 \times 8) =$ number of boxes needed.

62 Mark has 6 bags each with 32 red marbles and 11 bags each with 19 blue marbles. How many marbles does Mark have all together? Which of the following answers shows how to solve this problem?

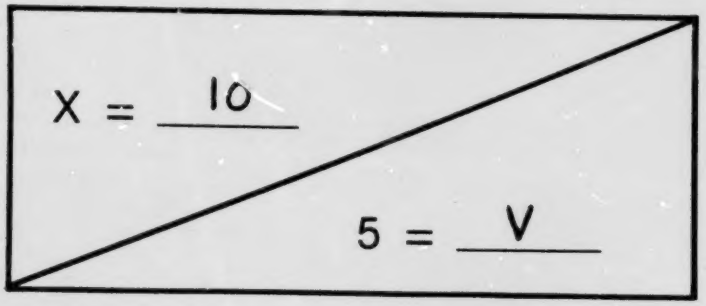
a) $(32 \times 6) + (19 \times 11) =$ total number of marbles.
b) $(32 + 6) + (19 + 11) =$ total number of marbles.
c) $(32 + 19) + (6 + 11) =$ total number of marbles.
d) $(32 \times 6) \times (19 \times 11) =$ total number of marbles.

63 Martha's mother gives her $20 to go to the store. Martha buys milk for $2.44, bread for $1.98, meat for $5.67 and vegetables for $3.08. How much change will Martha receive from the $20.00. Which of the following answers shows how to solve this problem?

a) $(\$20.00 + \$5.67) - \$2.44 - \$1.98 - \$3.08 =$ amount of change.
b) $\$20.00 + (\$2.44 + \$1.98 + \$5.67 + \$3.08) =$ amount of change.
c) $\$20.00 - (\$2.44 + \$1.98 + \$5.67 + \$3.08) =$ amount of change.
d) $\$20.00 + \$2.44 + \$1.98 + \$5.67 + \$3.08 =$ amount of change.

3.3 Reads and translates Roman Numerals to MCMLXXX.

Look at the Roman numeral X and the number 5. What number stands for X? What Roman numeral stands for 5? X stands for 10. 5 stands for V. Write the number 10 and Roman numeral V beside P2 on page 23 of your answer book.



Look at these questions.
Write the numbers that stand for the Roman numerals or the Roman numerals that stand for the numbers on page 23 of your answer book.

64 XXXV = _____

65 LX = _____

66 CL = _____

67

MCMLXXX = _____

68

49 = _____

69

82 = _____

70

110 = _____

4.5 Applies the distributive property to division.

Look at the equation.
238 ÷ 2 can also be written as (200 ÷ 2) + (30 ÷ 2) + (÷ 2).
What number goes in the blank to equal 238 ÷ 2? The number 8 goes in the blank.
Write the number 8 beside P3 on page 23 of your answer book.

$$238 \div 2 = (200 \div 2) + (30 \div 2) + (\underline{8} \div 2)$$

Look at these equations. Which numbers go in the blanks?
Write your answers on page 23 of your answer book.

71

$$508 \div 4 = (400 \div 4) + (100 \div 4) + (____ \div 4)$$

72

$$318 \div 2 = (____ \div 2) + (100 \div 2) + (18 \div 2)$$

73

$$805 \div 5 = (500 \div 5) + (____ \div 5) + (5 \div 5)$$

74

$928 \div 8 = (____ \div 8) + (80 \div 8) + (48 \div 8)$

75

$552 \div 6 = (480 \div 6) + (____ \div 6) + (12 \div 6)$

76

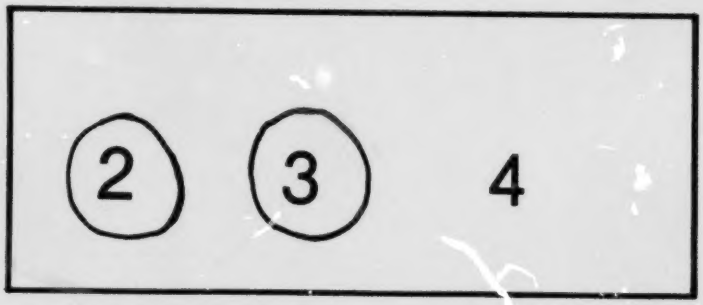
$910 \div 7 = (700 \div 7) + (____ \div 7)$

77

$1017 \div 3 = (____ \div 3) + (90 \div 3) + (27 \div 3)$

5.2a Identifies numbers as prime or composite.

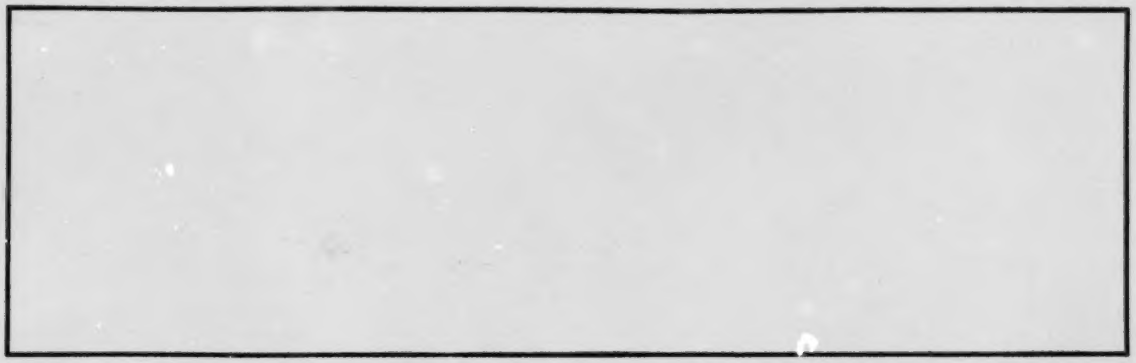
Look at these numbers. Which numbers are prime numbers? 2 and 3 are prime numbers. They are circled. Circle the numbers 2 and 3 beside P4 on page 23 of your answer book.

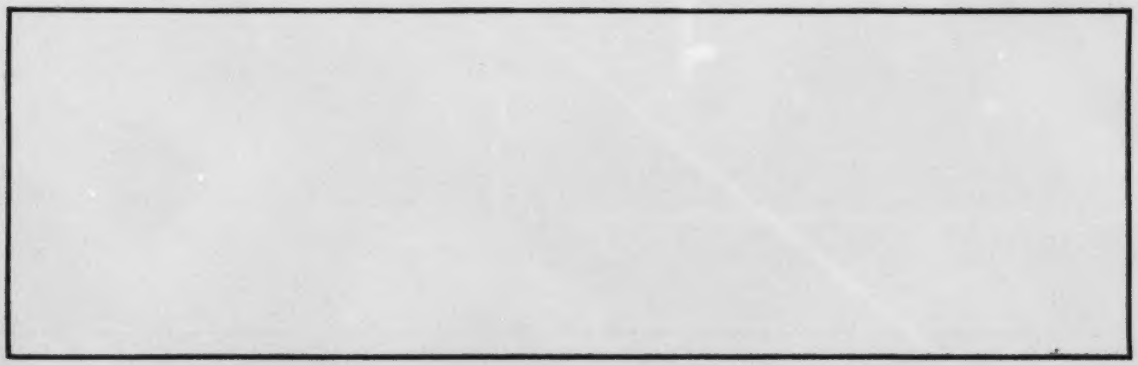


Look at these numbers.
Circle the prime numbers on page 23 of your answer book.

78 - 84

4	5	6	7	8
9	10	11	12	13
14	15	16	17	18
19	20	21	22	23
24				





5.2b Performs prime factorization on numbers to 64.

Look at this number. What is the prime factorization of 6?

The answer is 3 × 2. Write 3 × 2 beside P1 on page 24 of your answer book.

The prime factorization of 6 is
3X2

Look at these numbers.
Write the prime factorization for each on page 24 of your answer book.

85

The prime factorization of 9 is
_____.

86

The prime factorization of 35 is
_____.

87

The prime factorization of 8 is
_____.

88

The prime factorization of 42 is

_____.

89

The prime factorization of 36 is

_____.

90

The prime factorization of 20 is

_____.

91

The prime factorization of 54 is

_____.

5.4 Introduces use of arithmetic mean.

Look at these numbers. What is the average of these numbers? The answer is 5. Write 5 beside P2 on page 24 of your answer book.

5,7,3
Average = 5

Read these questions carefully.
Write your answers on page 24 of your answer book.

92 The average of 9, 4 and 8 is _____

93 The average of 3, 2, 1, and 6 is _____

94 The average of 5, 10, 3 and 2 is _____

95

To find the average of 4, 7 and 1 divide _____ by 3.

96

To find the average of 6, 4, and 8 divide _____ by 3.

97

To find the average of 6, 7, 2, and 5 divide 20 by _____.

98

To find the average of 4, 2, 1, 6 and 2 divide 15 by _____.

6.1 Divides money.

Read the word problem carefully. What is the answer? The answer is $0.07. Write $0.07 beside P3 on page 24 of your answer book.

John bought 10 sticks of gum for $0.70. How much did each stick of gum cost?

$0.07

Look at these word problems.
Solve them and write the answers on page 24 of your answer book.

99

4 pencils cost $0.96
1 costs _____.

100

9 candy bars cost $3.15
1 costs _____.

101

7 skipping ropes cost $15.05
1 costs _____.

102

8 kg of dog food costs $16.56
1 kg costs _____.

103

12 books cost $24.36
1 costs _____.

104

11 caps cost $33.44
1 cap costs _____.

105

5 hunters earned $250.50
Each earned _____.

6.2a Reads and writes decimals to thousandths.

Look at this question. What number goes with the words? 5 tenths, 3 hundredths, 8 thousandths say 0.538. Write 0.538 beside P4 on page 24 of your answer book.

5 tenths, 3 hundredths, 8 thousandths

0.538

Look at these questions. Write your answers on page 24 of your answer books.

106

8 tenths, 6 hundredths, 2 thousandths

107

1 tenth, 5 hundredths, 3 thousandths

108

7 tenths, 0 hundredths, 5 thousandths

109

Write the number of tenths in this decimal number.

0.234

110

Write the number of thousandths in this decimal number.

0.582

111

Write the number of hundredths in this decimal number.

0.702

112

Write the number of thousandths in this decimal number.

0.040

6.2b Expands decimal numerals using expanded notation to 2 decimal places.

Look at the question. What does number 7 in the numeral 2963.7 stand for? It stands for 7/10. Write 7/10 beside P1 on page 25 of your answer book.

In the numeral 2963.7, the 7 represents:
7000, 700, 70, $\frac{7}{10}$, $\frac{7}{100}$

Look at these questions. Write the answers on page 25 of your answer book.

113

In the numeral 9781.6, the 6 represents
6 000, 600, 60, 6, $\frac{6}{10}$, $\frac{6}{100}$.

114

In the numeral 39 520.08, the 8 represents:
80 000, 8 000, 800, 80, 8, $\frac{8}{10}$, $\frac{8}{100}$, $\frac{8}{1000}$.

115

In the numeral 21 766.49, the 9 represents:
90 000, 9 000, 900, 90, $\frac{9}{10}$, $\frac{9}{100}$, $\frac{9}{1000}$.

116

In the numeral 504.21, the 2 represents:
200, 20, 2, $\frac{2}{10}$, $\frac{2}{100}$, $\frac{2}{1000}$.

117

In the numeral 50 062.87, the 7 represents:
70, 7, $\frac{7}{10}$, $\frac{7}{100}$, $\frac{7}{1000}$.

118

In the numeral 66 532.17, the 1 represents:
100, 10, 1, $\frac{1}{10}$, $\frac{1}{100}$, $\frac{1}{1000}$.

119

In the numeral 89 762.63 the 3 represents:
3000, 300, 30, 3, $\frac{3}{10}$, $\frac{3}{100}$, $\frac{3}{1000}$.

6.3a Adds (and subtracts) decimals.

Look at this question. What is the answer? The answer is 2.13. Write 2.13 beside P2 on page 25 of your answer book.

$1.5 + 0.63 =$ 2.13

Look at these questions. Write your answers on page 25 of your answer book.

120 $2.0 + 0.45 + 0.868 =$

121 $0.329 + 6.1 + 0.289 + 4.22 =$

122 $49.63 + 0.291 + 3.21 + 0.025 =$

123

$$0.89 + 0.42 + 4.7 + 1.06 =$$

124

$$3.3 + 28.01 + 0.76 + 0.9 =$$

125

$$17.42 + 25.49 + 0.18 + 310.0 =$$

126

$$15.31 + 0.68 + 27 + 0.8 =$$

6.3b (Adds and) subtracts decimals.

Look at this question. What is the answer? The answer is 0.328. Write the answer beside P3 on page 25 of your answer book.

$0.726 - 0.398 =$ 0.328

Look at these questions. Write the answers on page 25 of your answer book.

127 $0.305 - 0.182 =$ _____

128 $2.427 - 1.219 =$ _____

129 $0.645 - 0.231 =$ _____

130

$0.873 - 0.417 =$ _____

131

$1.920 - 0.981 =$ _____

132

$2.881 - 0.42 =$ _____

133

$3.65 - 0.86 =$ _____

6.4a Multiplies decimals to thousandths by whole numbers and by decimals to tenths.

Look at this question. What is the answer? The answer is 1.05. Write the number 1.05 beside P4 on page 25 of your answer book.

$$\begin{array}{r} 0.05 \\ \times\ 21 \\ \hline 1.05 \\ \hline \end{array}$$

Answer these questions. Write your answers on page 25 of your answer book.

134

$$\begin{array}{r} 0.01 \\ \times\ 25 \\ \hline \\ \hline \end{array}$$

135

$$\begin{array}{r} 0.638 \\ \times\ 23 \\ \hline \\ \hline \end{array}$$

136

$$\begin{array}{r} 1.516 \\ \times\ 297 \\ \hline \\ \hline \end{array}$$

137

$$\begin{array}{r} 2.627 \\ \times\ 7.1 \\ \hline \\ \hline \end{array}$$

138

$$\begin{array}{r} 0.896 \\ \times\ 3.7 \\ \hline \\ \hline \end{array}$$

139

$$\begin{array}{r} 2.663 \\ \times\ 6.0 \\ \hline \\ \hline \end{array}$$

140

$$\begin{array}{r} 0.927 \\ \times\ 2.7 \\ \hline \end{array}$$

6.4b Multiplies decimals by powers of 10.

Look at this question. What is the answer? The answer is 35.4. Write the number 35.4 beside P1 on page 26 of your answer book.

$3.54 \times 10 =$ 35.4

Answer these questions. Write your answers on page 26 of your answer book.

141 $6.92 \times 10 =$ _____

142 $15.38 \times 100 =$ _____

143 $26.375 \times 1000 =$ _____

144

$305.875 \times 100 =$ _____

145

$90.16 \times 1000 =$ _____

146

$100.5 \times 10 =$ _____

147

$0.05 \times 100 =$ _____

6.5 Divides decimals to hundredths by single digit whole numbers.

Look at this question. What is the answer? The answer is 0.11. Write the number 0.11 beside P2 on page 26 of your answer book.

$$2\overline{)0.22} = 0.11$$

Answer these questions. Write your answers on page 26 of your answer book.

148 $3\overline{)0.36}$

149 $2\overline{)0.48}$

150 $7\overline{)0.35}$

151

$9\overline{)58.5}$

152

$4\overline{)87.92}$

153

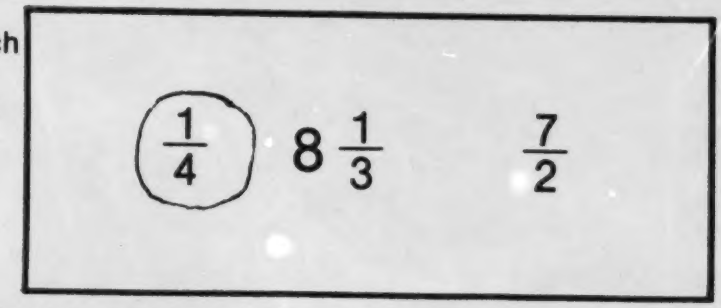
$5\overline{)102.60}$

154

$8\overline{)361.76}$

7.2 Understands and uses the terms: proper fractions, mixed numerals, numerator, denominator.

Look at these numbers. Which number is a proper fraction? ¼ is a proper fraction. Circle ¼ beside P1 on page 27 of your answer book.



Look at these questions. Follow the instructions carefully. Write your answers on page 27 of your answer book.

155 Circle the proper fraction.

$\frac{7}{8}$ $5\frac{1}{4}$ $\frac{5}{3}$

156 Circle the mixed number.

$\frac{3}{5}$ $\frac{7}{2}$ $8\frac{1}{8}$

157 Circle the proper fraction.

$\frac{7}{9}$ $19\frac{1}{2}$ $\frac{5}{2}$

158 Circle the numerators.

$1\frac{1}{2}$ $\frac{6}{8}$ $\frac{4}{9}$

159 Circle the denominators.

$5\frac{3}{4}$ $\frac{3}{7}$ $\frac{5}{8}$

160 Circle the numerators.

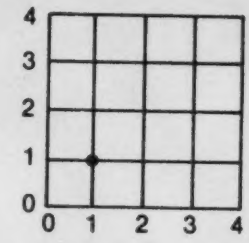
$\frac{8}{9}$ $6\frac{1}{8}$ $\frac{9}{12}$

161 Circle the denominators.

$\frac{3}{5}$ $\frac{7}{10}$ $3\frac{8}{12}$

9.2a Uses ordered pairs to construct graphs.

Look at the graph. Where should the ordered pair (1,1) be placed on this graph? It is marked in the example. Mark the ordered pair (1,1) in the graph beside P2 on page 27 of your answer book.

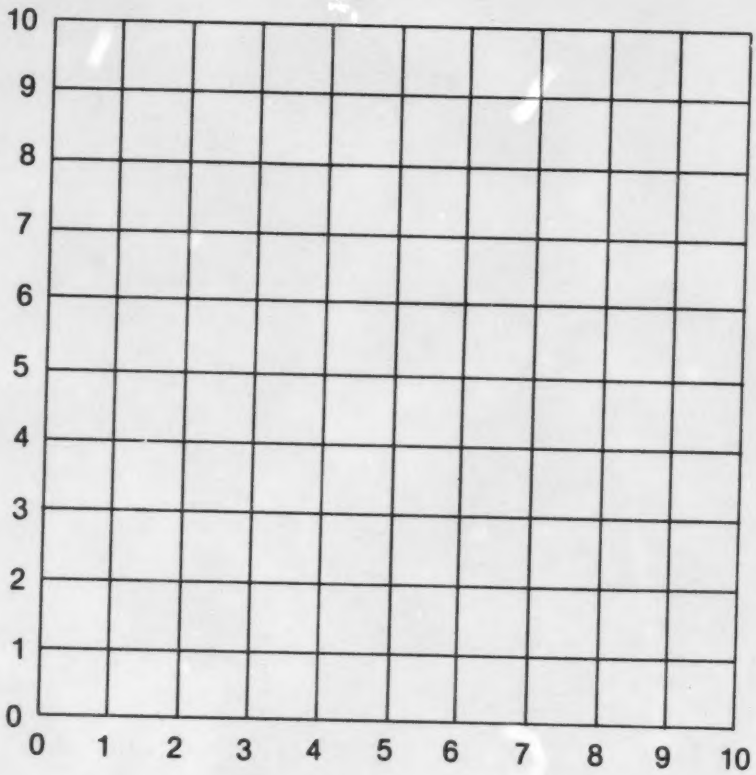


(1,1)

Look at these ordered pairs. Mark them on the graph on page 27 of your answer book.

162

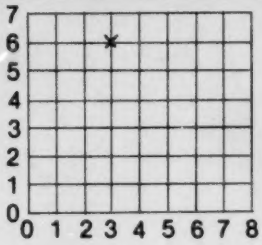
(5,6) (6,8) (7,6) (9,5) (7,4) (6,2) (5,4) (3,5)



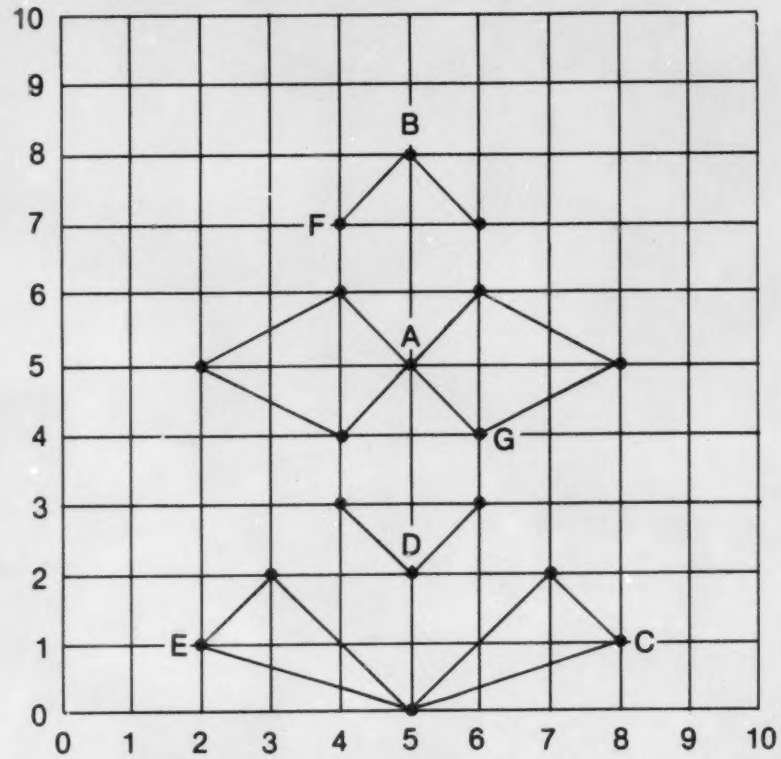
Connect the points in the order given.
What have you drawn? _____

9.2b Generates ordered pairs positive quadrant only.

Look at the graph. What are the co-ordinates for the point marked X? The co-ordinates are (3,6). Write (3,6) beside P1 on page 28 of your answer book.



Look at the points marked with letters.
Write co-ordinates for these points on page 28 of your answer book.



163. A
164. B
165. C
166. D
167. E
168. F
169. G

10.1a/10.5 Adds and subtracts units (linear and mass).

Read the problem carefully. What is the answer? The answer is 3.25m. Write 3.25m beside P2 on page 28 of your answer book.

Linda has 2 boxes. One is 2.50m high and the other is 0.75m high. If one box was put on top of the other, how high would the boxes be?

Look at the following problems. Solve them and write your answers on page 28 of your answer book.

170

John's bedroom is 3.50m in length and Bill's is 2.70m. How much longer is John's room?

171

June walked 60.50m to Bill's house and from there she walked 15.75m to Sue's house. How far did June walk?

172

Joan is 1.18m tall and Chris is 1.27m tall. How much taller is Chris?

173

Kim's red pencil is 10.50cm long.
Her blue pencil is 8.42cm long.
How much longer is the red pencil?

174

Mrs. Brown has 375g of chicken and 125g of pork.
How much more chicken does she have than pork?

175

On Monday, Mrs. Smith bought 255.50g of apples, 310.75g of pears and 225.25g of oranges.
How many grams of fruit did she buy?

176

When John was not feeling well, the doctor asked him to take 5mL of one medicine and 1.75mL of another and 40mL of another each day. How many millilitres of medicine did John take each day?

10.1b Converts units by multiplying and dividing by powers of 10.

Look at this question. How many metres are equal to 100 centimetres? 1 metre is equal to 100 centimetres. Write 1 m beside P3 on page 28 of your answer book.

100 cm = ____1____ m

Look at the following questions.
Write the answers on page 28 of your answer book.

177

2 m = _____ cm

178

50 m = _____ cm

179

50 cm = _____ m

180

180 cm = _____m

181

540 m = _____cm

182

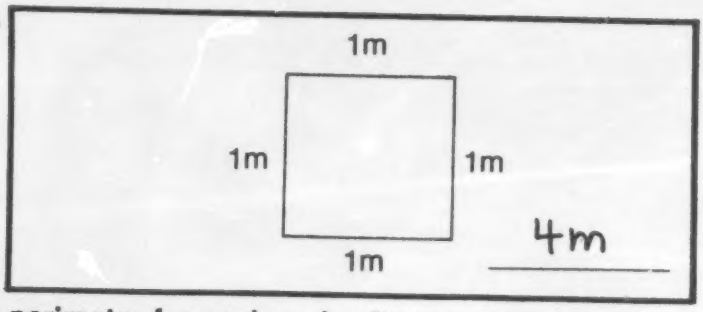
0.83 m = _____cm

183

1000 cm = _____m

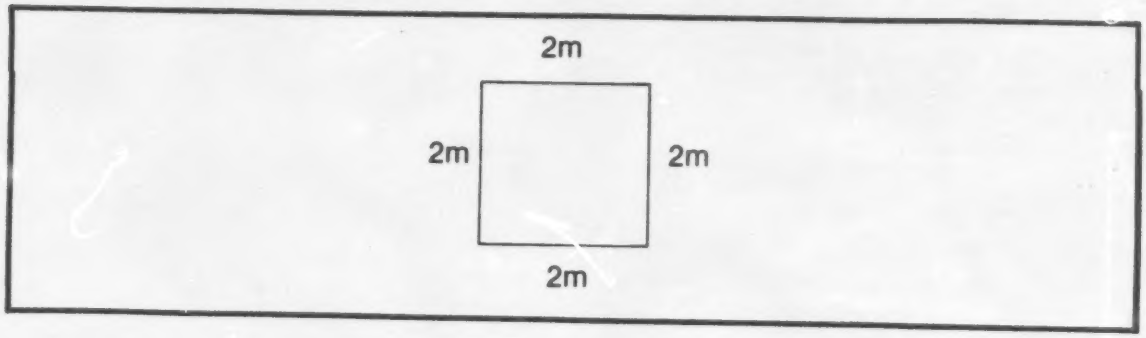
10.1c Measures or calculates perimeters of regular polygons.

Look at this shape. What is its perimeter? The perimeter of this shape is 4m. Write 4m beside P4 on page 28 of your answer book.

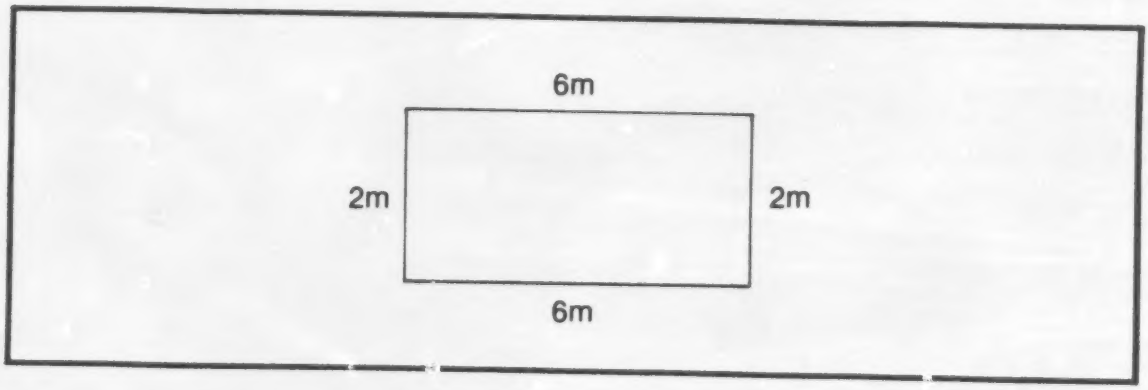


Look at these shapes. Find the perimeter for each and write your answer on page 28 of your answer book.

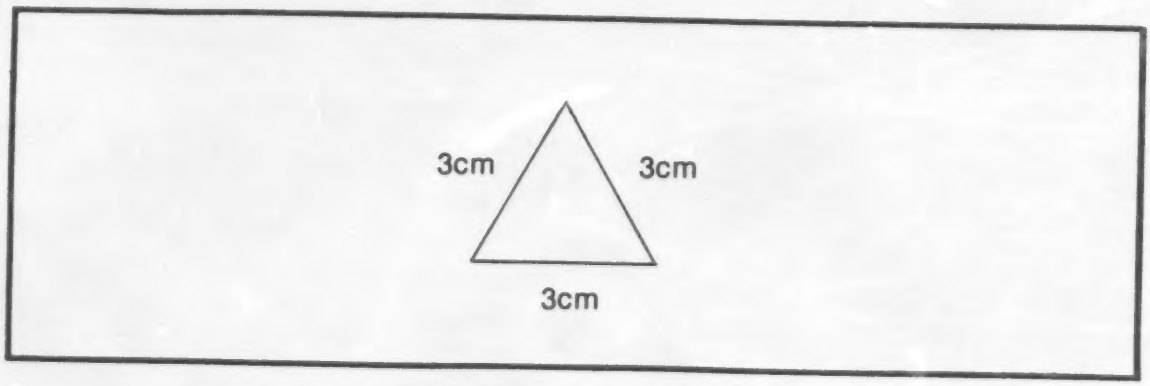
184



185



186



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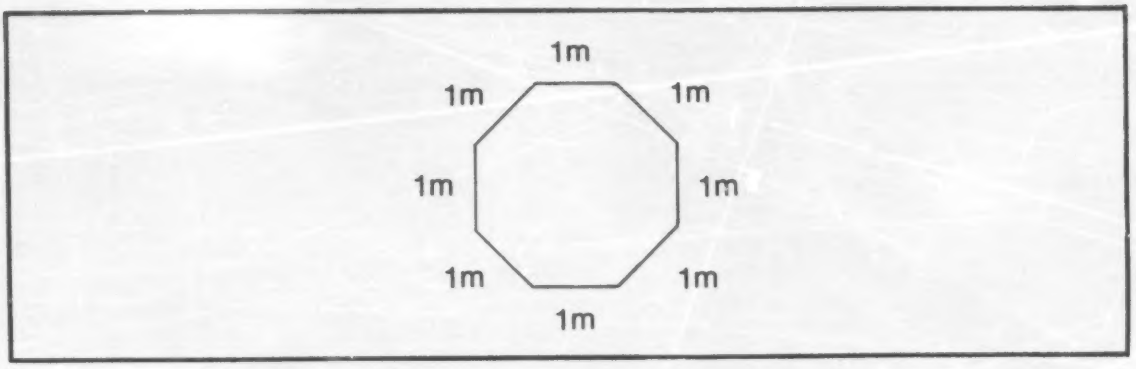
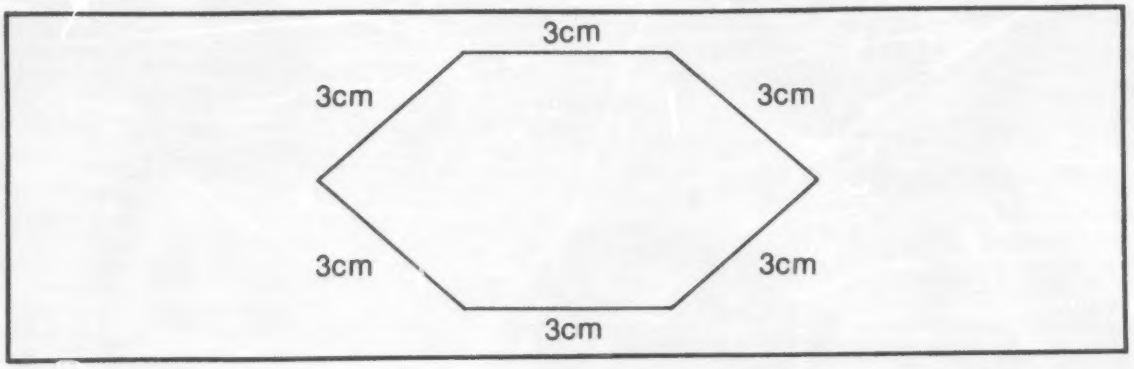


188



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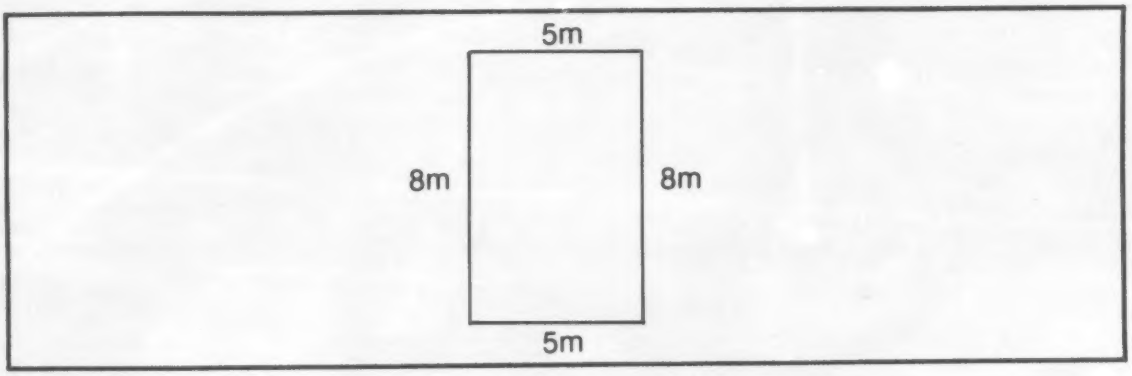
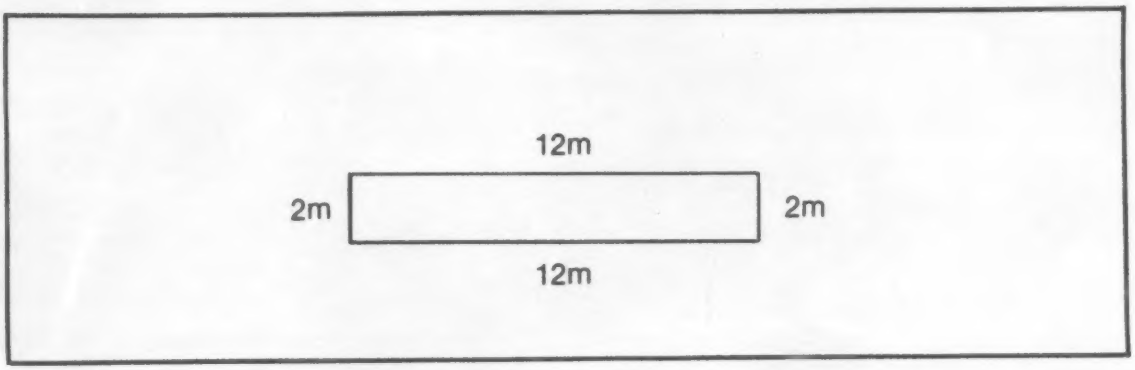
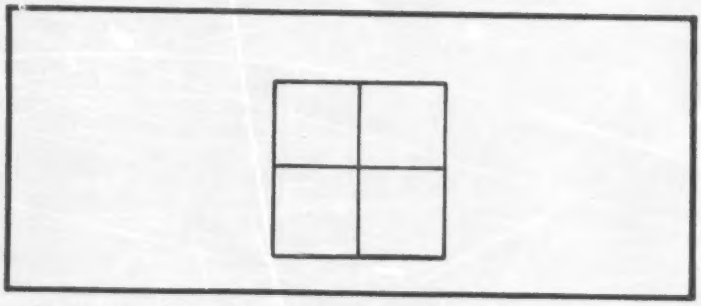


190



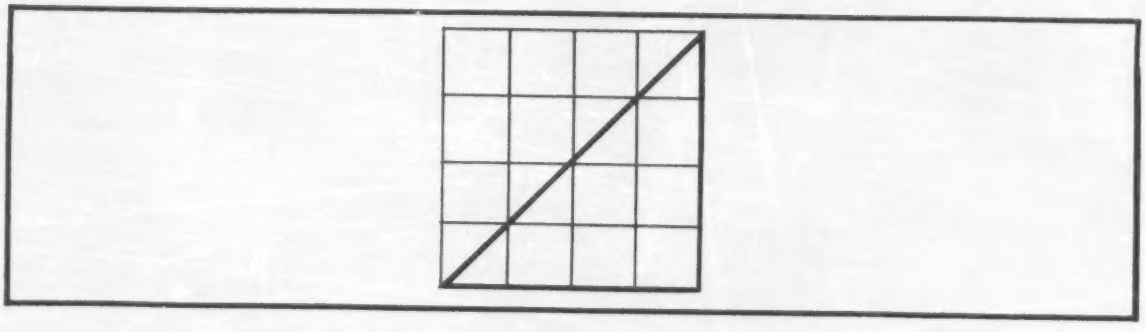
10.2 Finds areas of regular polygons by counting squares.

Look at the shape. Each square is equal to 1cm². What is the area of the shape? The area of the shape is 4cm². Write 4cm² beside P1 on page 29 of your answer book.

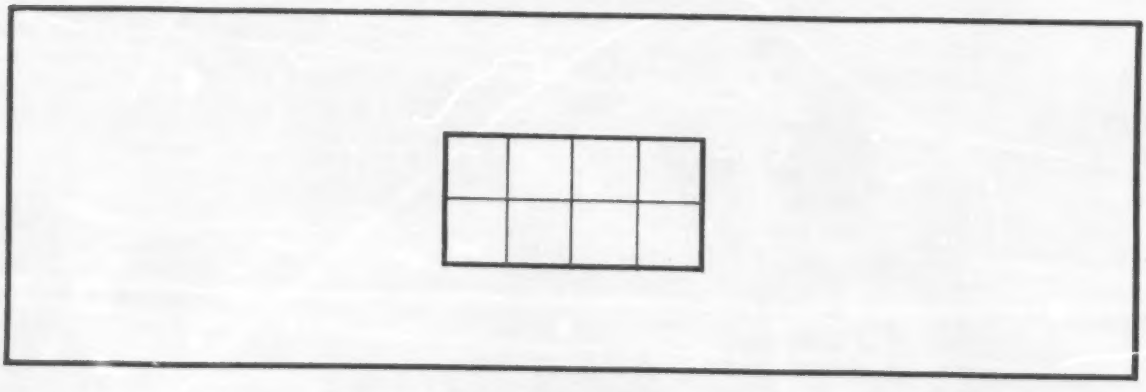


Look at these shapes. Calculate the area of each and write your answer on page 29 of your answer book.

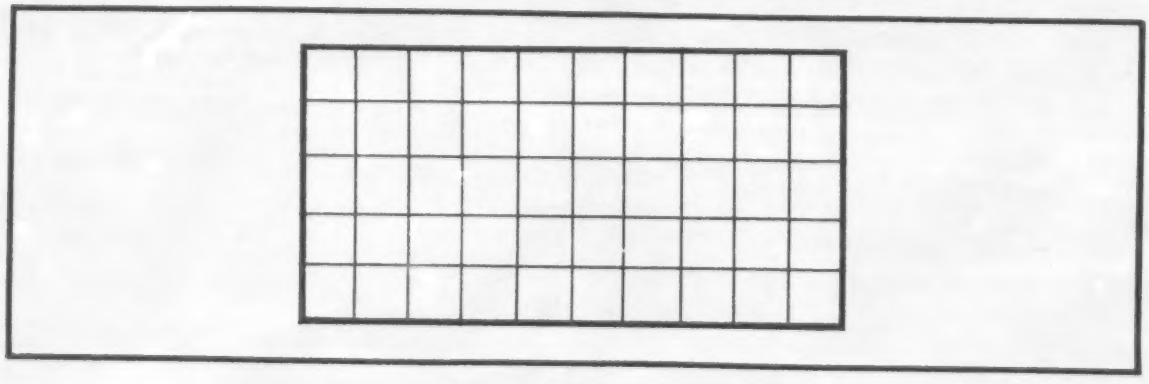
191



192



193



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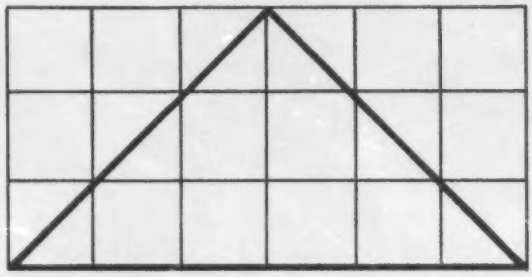

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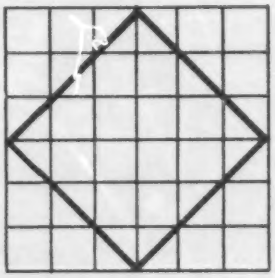

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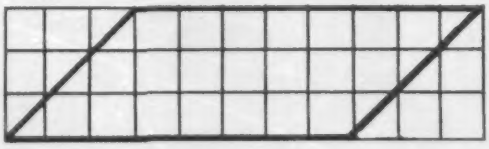
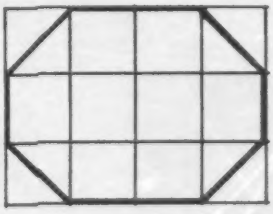


197



10.7a Computes time differences.

Read the problem carefully. What is the answer? The answer is 10:15 Write 10:15 beside P2 on page 29 of your answer book.

In Yellowknife, N.W.T. it is 9:15 Rankin Inlet, N.W.T. is 1 hour ahead of this time. What time is it in Rankin Inlet?

10:15

Look at these problems. Solve them and write your answers on page 29 of your answer book.

198

In Yellowknife, it is 14:15. In Frobisher Bay it is 2 hours later. What time is it in Frobisher Bay?

199

In Frobisher Bay, it is 10:38. In Whitehorse, Yukon, it is 3 hours earlier. What time is it in Whitehorse?

200

It is 20:06 in Vancouver, B.C. In St. John's, Newfoundland, it is 4½ hours later. What time is it in St. John's?

201

It is 13:15 in St. John's, Newfoundland. In Calgary, Alberta, it is 3½ hours earlier. What time is it in Calgary?

202

John is flying to Montreal for a holiday. It is now 13:20. If there are 38 minutes remaining in the flight, what time will the plane land in Montreal?

203

Mary begins watching a movie at 19:04. If the movie is one hour and forty-five minutes long, what time will it end?

204

Bob's mother tells him that he must go to bed in 25 minutes. If it is 20:55 now, what time must Bob go to bed?

10.7b Converts days to hours, hours to minutes, minutes to seconds.

Look at the question. How many minutes are in 1 hour? 60 minutes are in 1 hour. Write the number 60 beside P3 on page 29 of your answer book.

1 hour = 60 minutes

Look at these questions.
Write the answers to these questions on page 29 of your answer book.

205

2 days = _____ hours

206

3½ days = _____ hours

207

7 hours = _____ minutes

208

$3\frac{1}{4}$ hours = _____ minutes

209

$5\frac{3}{4}$ hours = _____ minutes

210

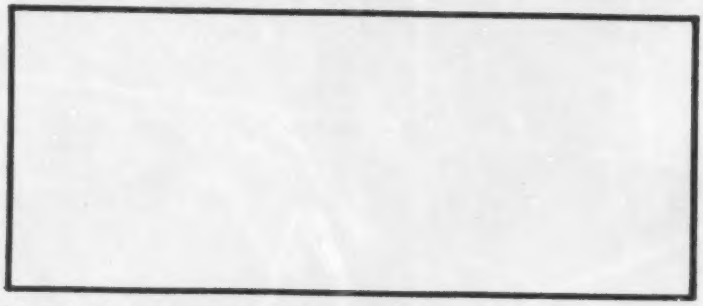
$7\frac{1}{2}$ minutes = _____ seconds

211

$10\frac{1}{4}$ minutes = _____ seconds

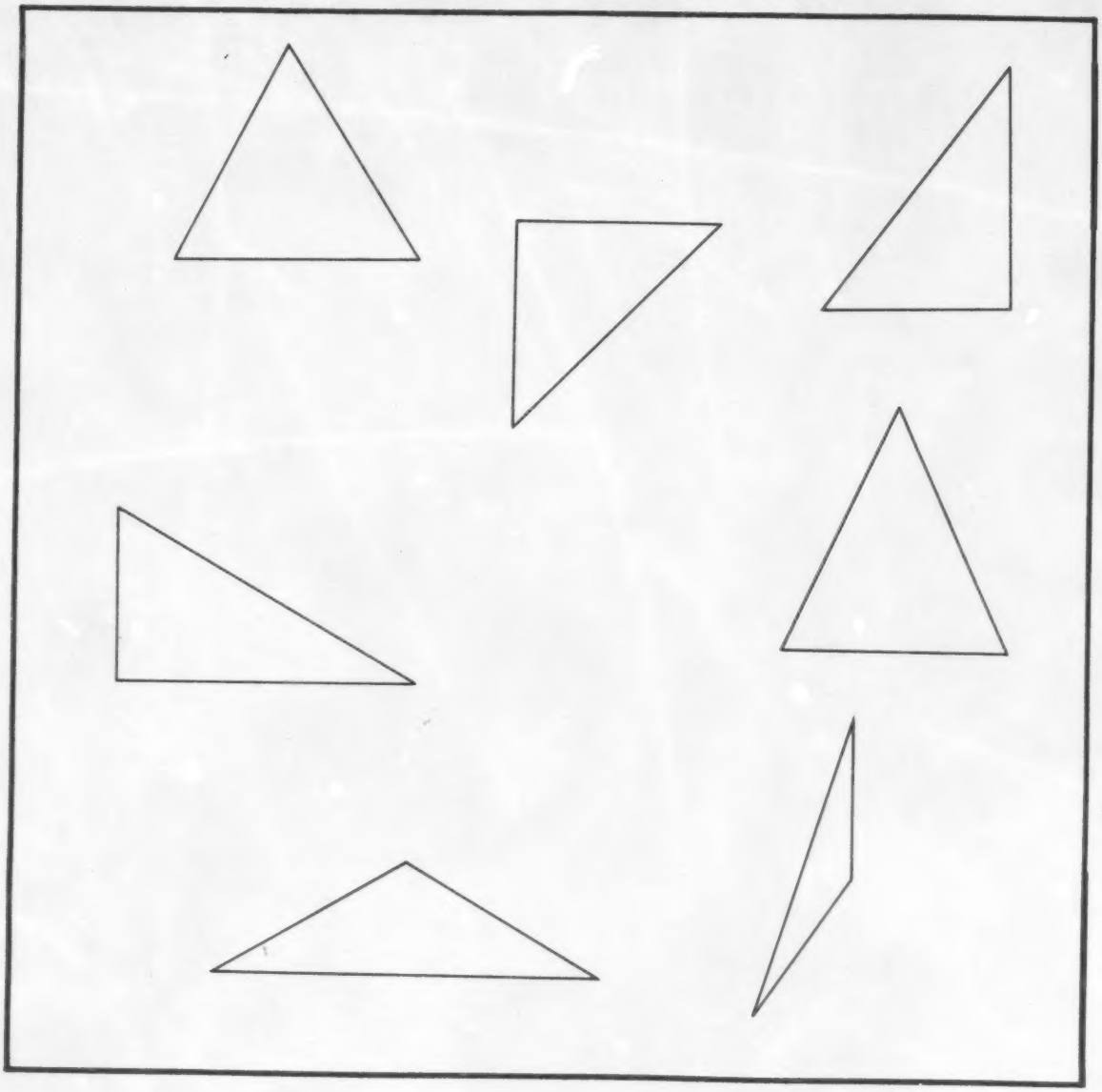
11.2 Distinguishes between right and non-right triangles.

A right triangle has one angle which is exactly 90°

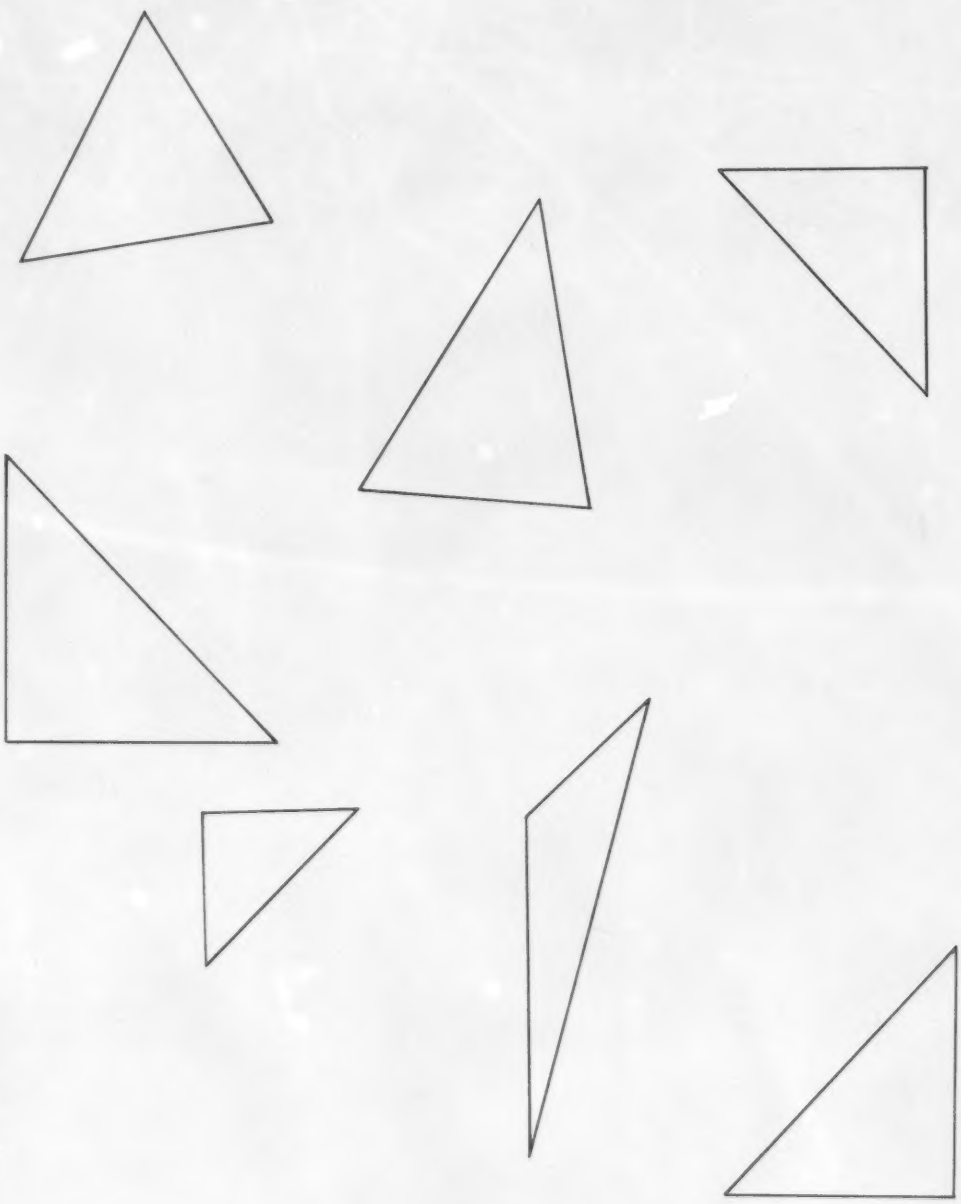


Look at these triangles. Put an X on the triangles that are right angled triangles. Mark your answers on page 29 of your answer book.

212

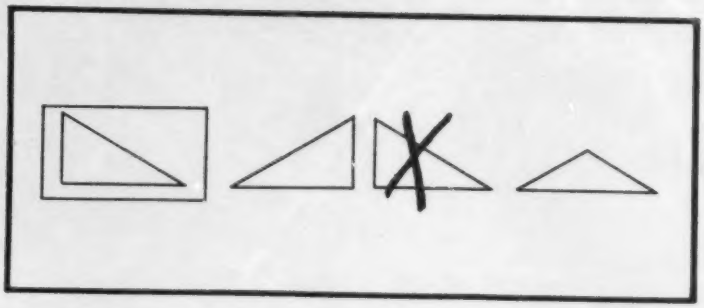


213 **Look at these triangles. Put an X on all the triangles that <u>do not</u> have a right angle. Mark your answers on page 30 of your answer book.**



11.3 Identifies a motion as a slide, flip or turn.

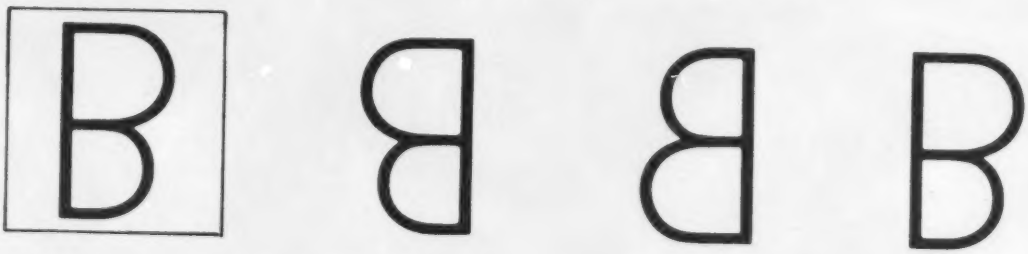
Look at the figures. Which of the figures is a slide of the figure in the box? The figure that is the slide is marked with an X. Mark the correct figure beside P1 on page 30 of your answer book.



Look at these figures.
Put an X on the figures as instructed. Mark your answers on page 30 of your answer book.

214 Which of the following is a flip of the figure in the box?

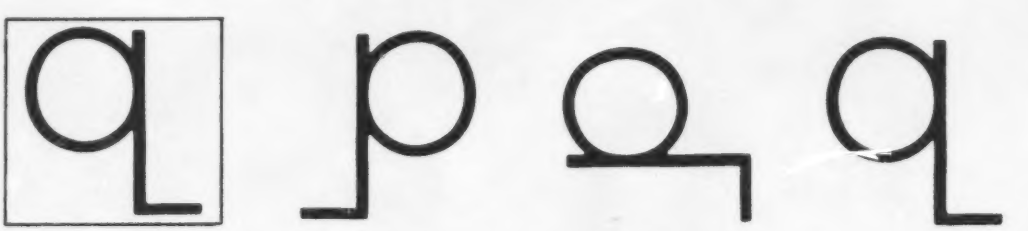
215 Which of the following is a turn of the figure in the box?



216 Which of the following is a slide of the figure in the box?

217 Which of the following is a turn of the figure in the box?

218 Which of the following is a flip of the figure in the box?



219 Which of the following is a slide of the figure in the box?

220 Which of the following is a turn of the figure in the box?

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